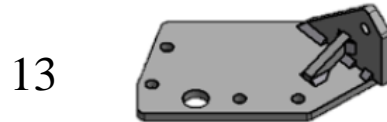
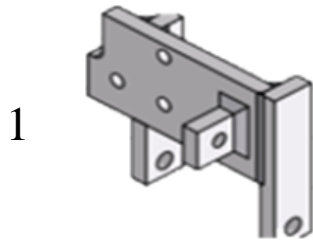


## **4JH MASTER VOLT 14/120 ALTERNATOR KIT**

Part No. RDG702B40

Kit contents:

Part	Part No	Qty	Description
1	RDG401A418	1	Alternator Bracket
2	RDG2853	3	M8x25 Cap Head SS
3	RDG549	6	M8 Spring Washer SS
4	129271-77251	1	Yanmar Pulley
5	RDG3105	4	M10x20 Hex Head SS
6	RDG1111	7	M10 Spring Washer SS
7	119807-11770	1	Oil Blank Cap
8	RDG106B19	2	Alternator Pivot Spacer
9	RDG5917	1	M10 x 120 Hex Head Bolt
10	RDG628	5	M10 Flat Washer SS
11	RDG627	3	M10 Nyloc Nut SS
12	RDG104A25	1	4JH Threaded Adjuster
13	RDG120A41	1	4JH Fuel Filter Bracket
14	RDG2254	1	PK61000
15	RDG5894	1	M10 x 80 Cap Head Screw
16	RDG3940	1	M10 x 50 Hex Head Bolt
17	RDG401A417	1	4JH Alt Adjustor Bracket
18	RDG201A27	1	MV Alpha Compact 14/120 + Reg
19	RDG5755	1	Alt Adjuster Block
20	RDG5027469	1	Alt Adjuster Block
21	RDG3098	2	M10 Nut SS
22	RDG6916	1	Pulley PK6 17 x 62
23	RDG546	2	M8 x 20 Hex Head Screw
24	RDG102A19	2	M8 x 70 Hex Head Screws
25	RDG1059371	4	M8 Flat Washers
26	RDG218	2	M8 Nylock Nuts
27	RDG106B44	1	Alt Bracket Spacer
28	RDG3019177	1	10mm 1m Fuel Hose



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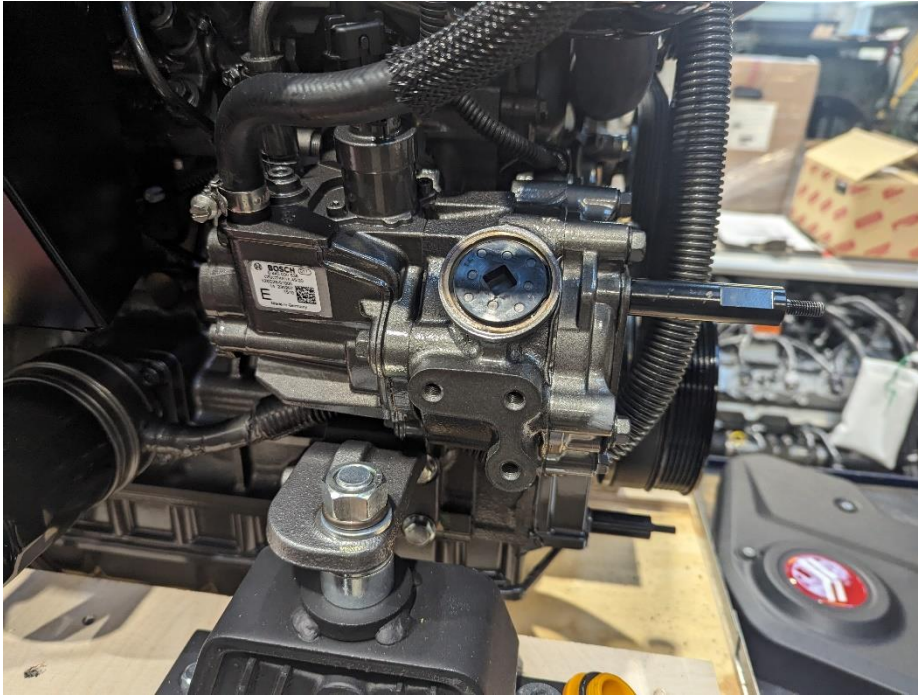
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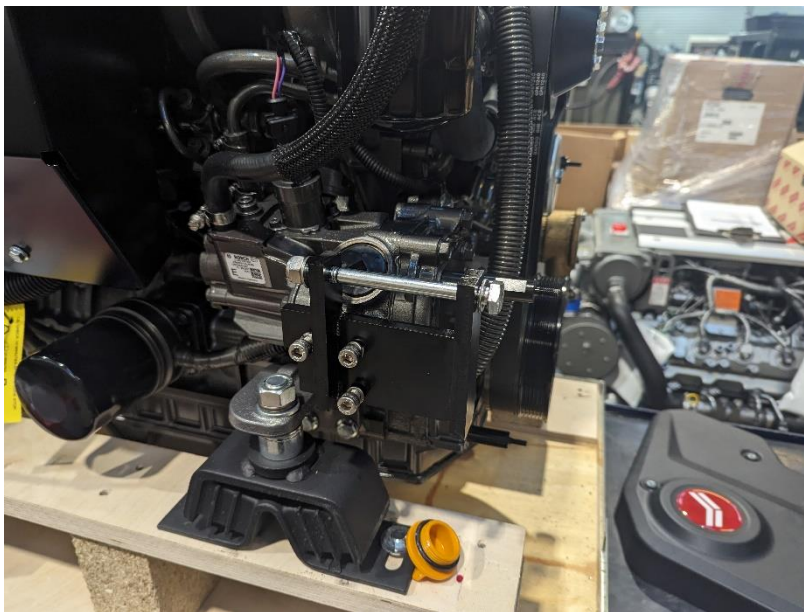
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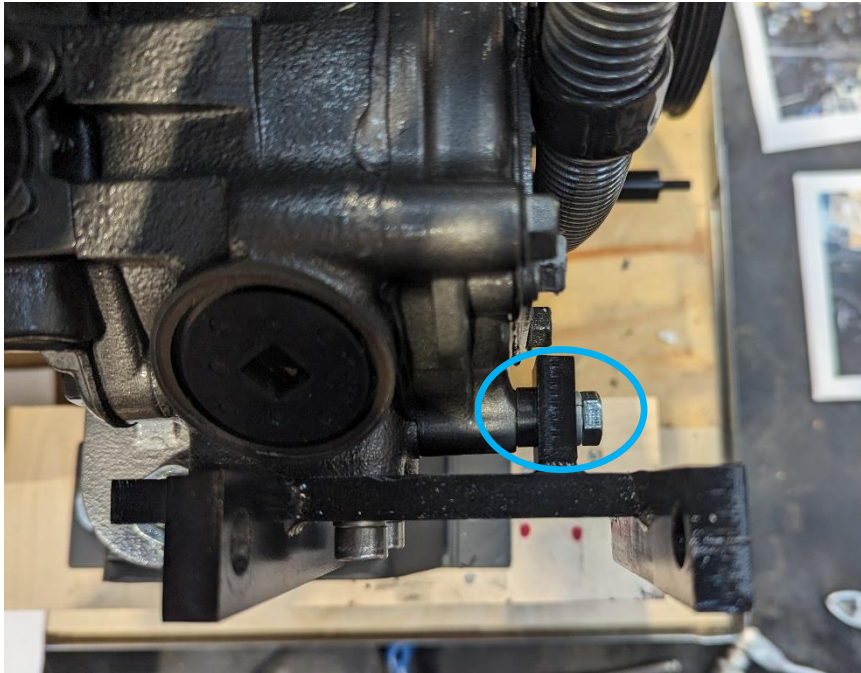
- Remove the front guard.
- Remove the Oil filler cap and replace with a bung (119807-11770 x 1).



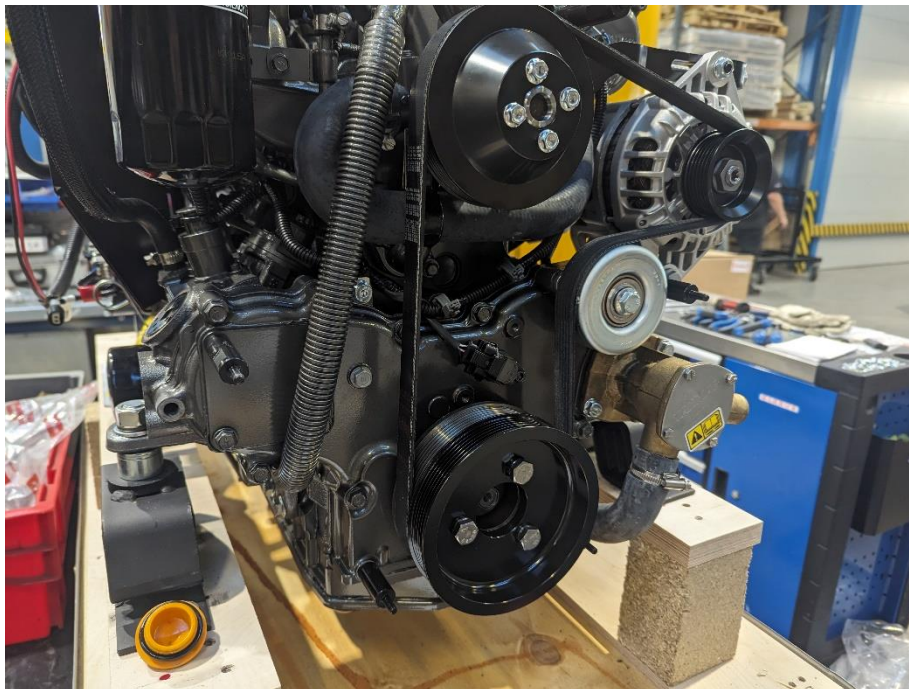
- Bolt Alternator Bracket (RDG401A418 x 1) on with SS Cap Heads (RDG2853 x 3) and M8 Spring Washers SS (RDG549 x 3).



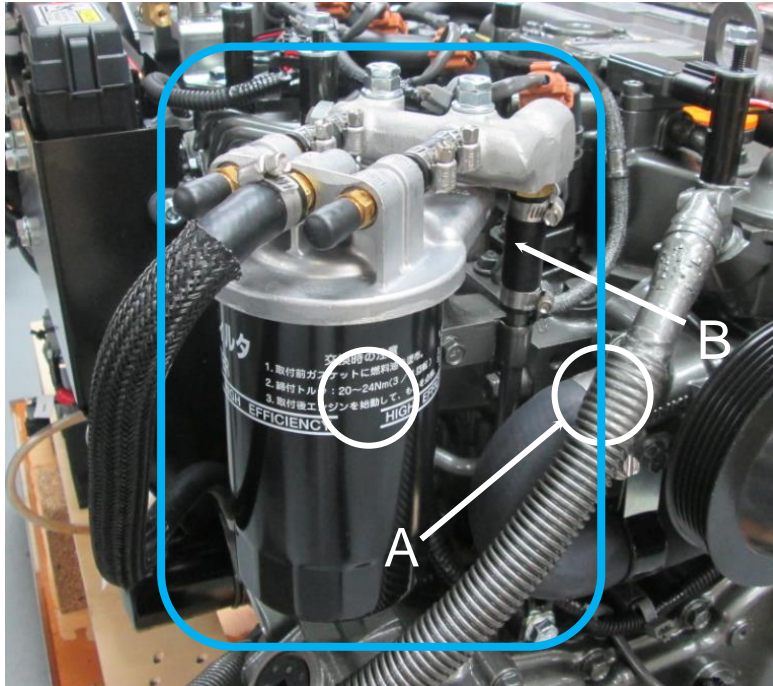
- Front of alternator bracket also has M8 x 50 Hex Head Bolt (RDG1127 x 1) fitted with 5mm Spacer (RDG106B44 x 1) and M8 spring washer (RDG549 x 1).



- Take out bolts holding on front pulley.
- Add extra yanmar pulley (129271-77251 x 1) and bolt on with M10 x 20 Hex Bolts (RDG3105 x 3) and Spring Washers (RDG1111 x 3).

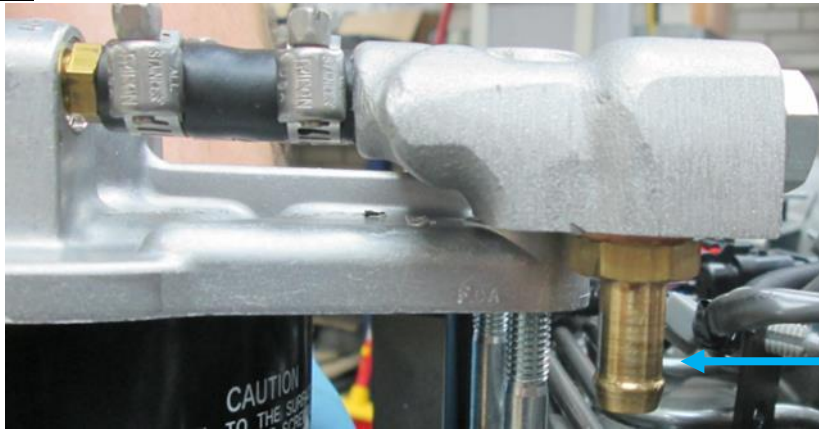


- Remove the fuel filter and fuel valve assembly from the engine. Keep the rubber spacer secure as it is still required.



- Change the position of the plug and hosetail on the fuel valve using gaskets (23414-120000 x 2).

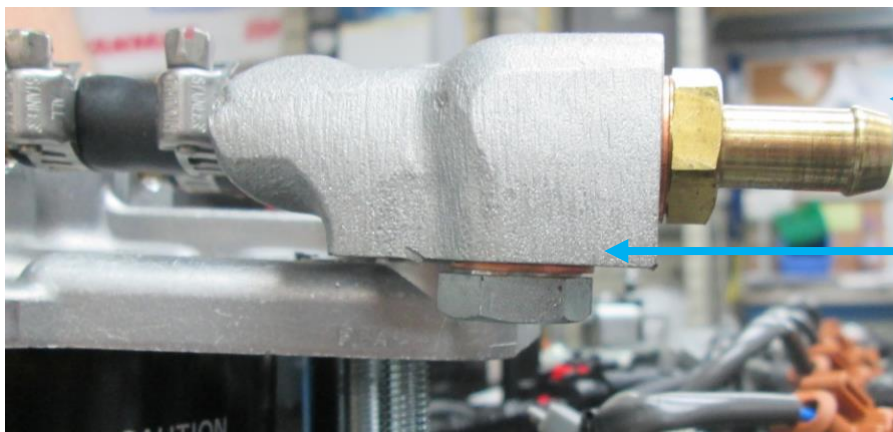
### Old Fuel Valve Layout



← Plug

← Hosetail

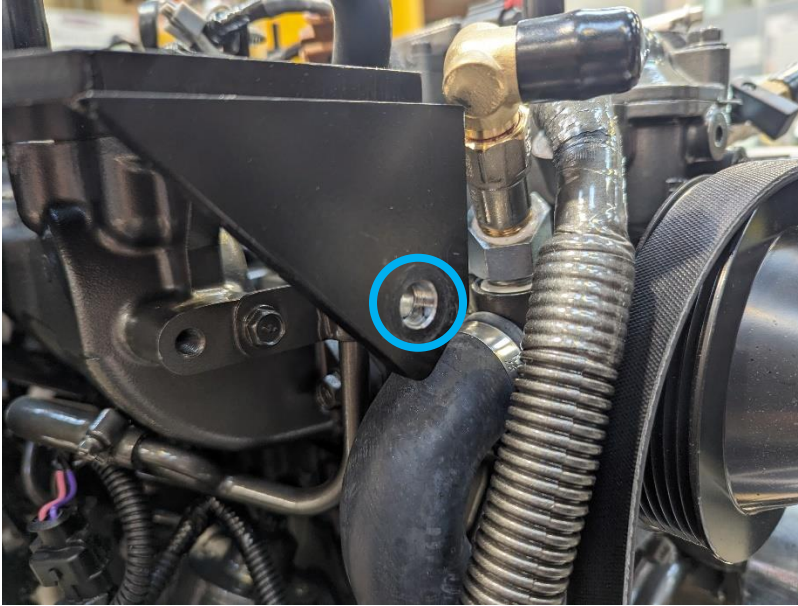
### New Fuel Valve Layout



← Hosetail

← Plug

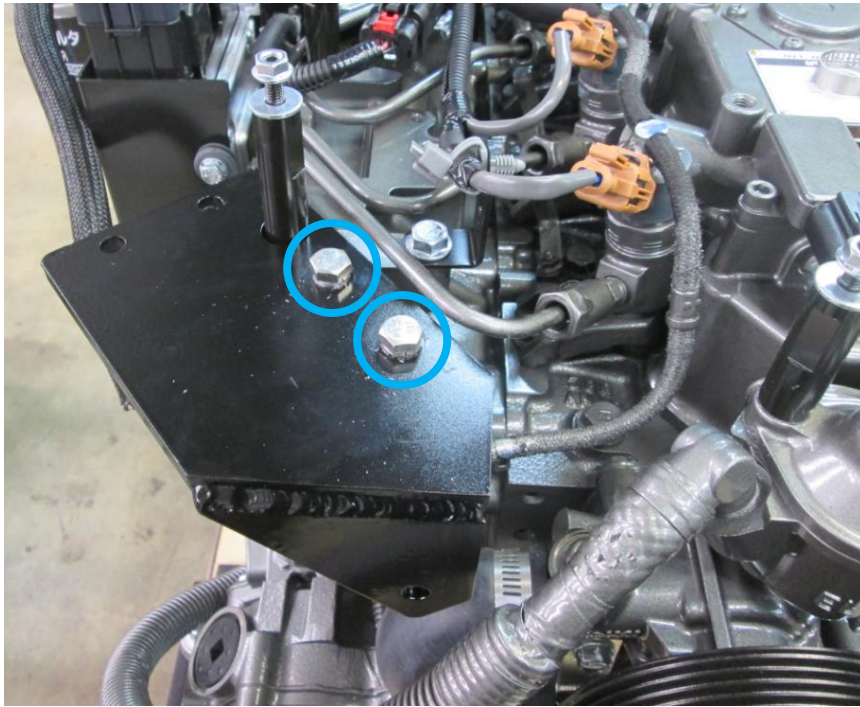
- Drill out hole on fuel filter bracket (RDG120A41) to 10.5mm.



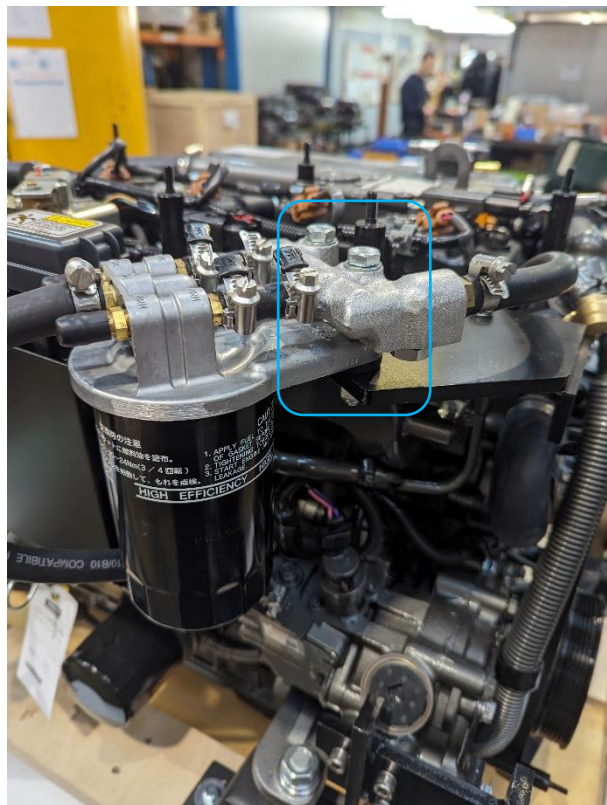
- Remove the studs from the engine.



- Fit the Fuel Filter Bracket (RDG120A41 x 1) the engine using M8 x 20 Hex Head Screws (RDG546 x 2) and M8 Spring Washers (RDG549 x 2).

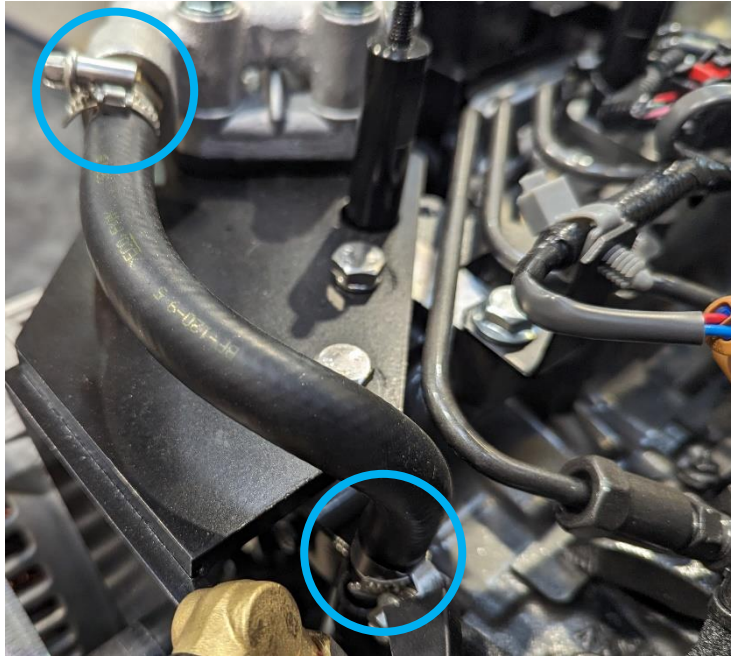


- Fit the fuel filter and modified fuel valve assembly to the Filter Bracket using the rubber spacer previously removed, M8 x 70 Hex Head Screws (RDG102A19 x 2), M8 Flat Washers (RDG1059371 x 4) and M8 Nyloc Nuts (RDG218 x 2).

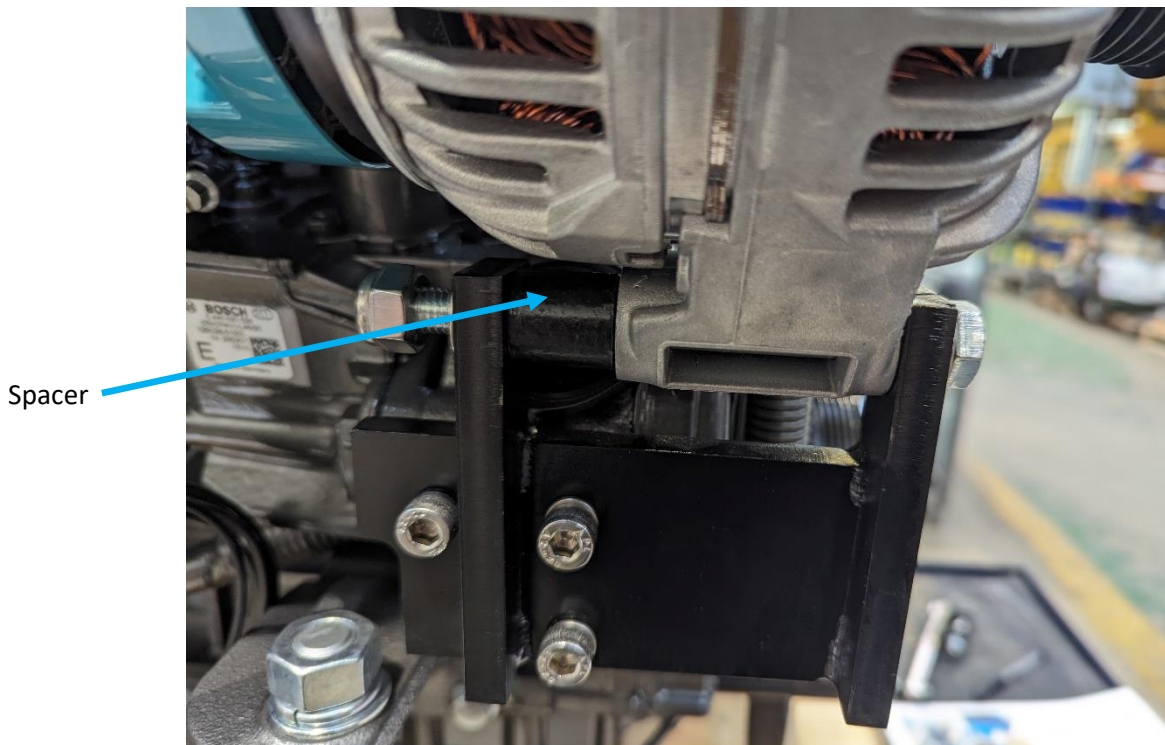




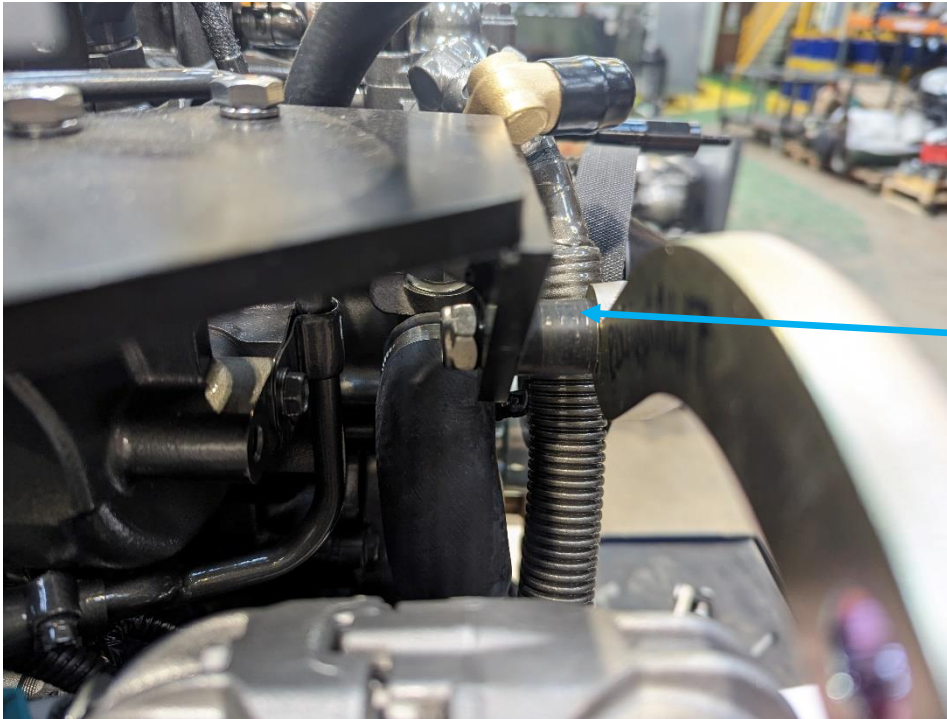
- Cut a 200mm length of 10mm fuel hose (RDG3019177) and replace original hose with new one.



- Fit alternator (RDG201A27 x 1) to bracket using M10 x 120 Hex Bolt (RDG5917 x 1), M10 Flat Washer (RDG628 x 2), Spacer (RDG106B19 x 1) and M10 Nyloc (RDG627 x 1).

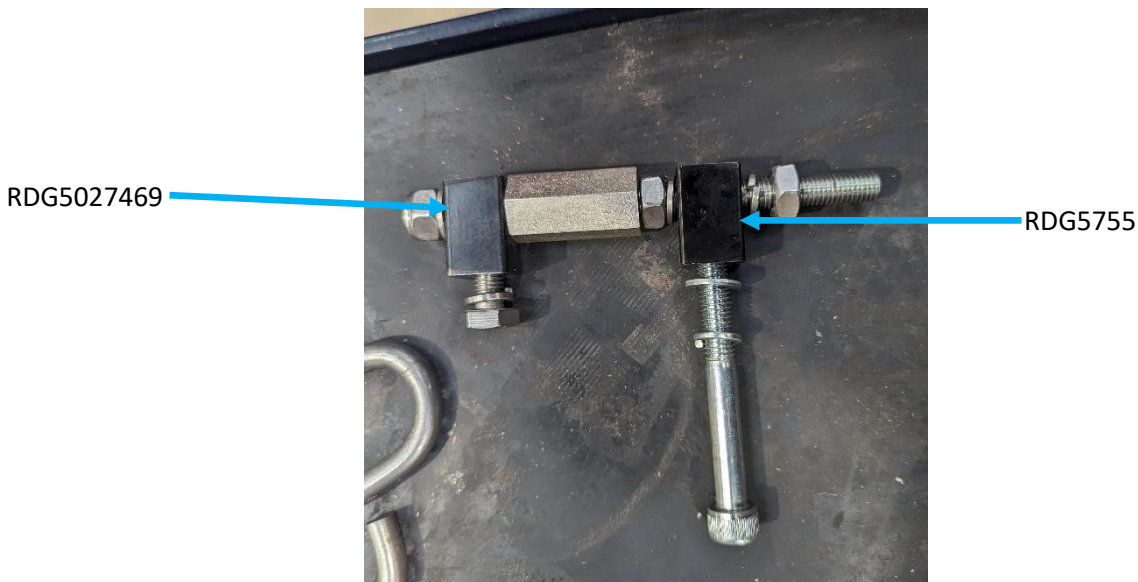


- Fit alternator tensioner (RDG401A417 x 1) to fuel filter bracket using M10 x 50 (RDG3940 x 1), M10 flat washer (RDG628 x 2), Spacer (RDG106B19 x 1) and M10 Nyloc Nut (RDG627 x 1).

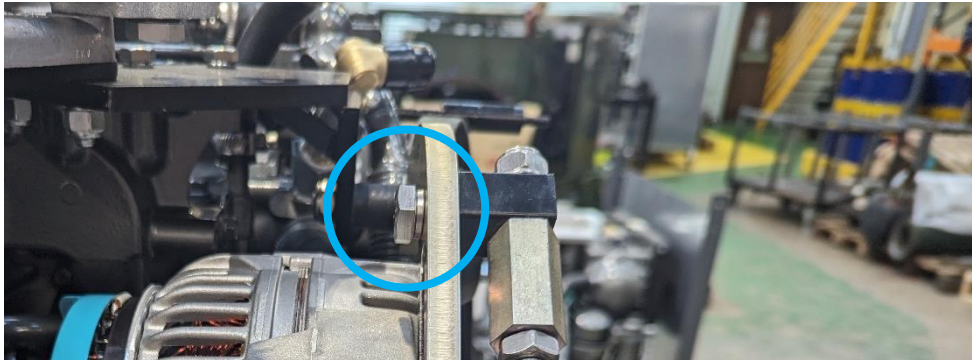


Spacer

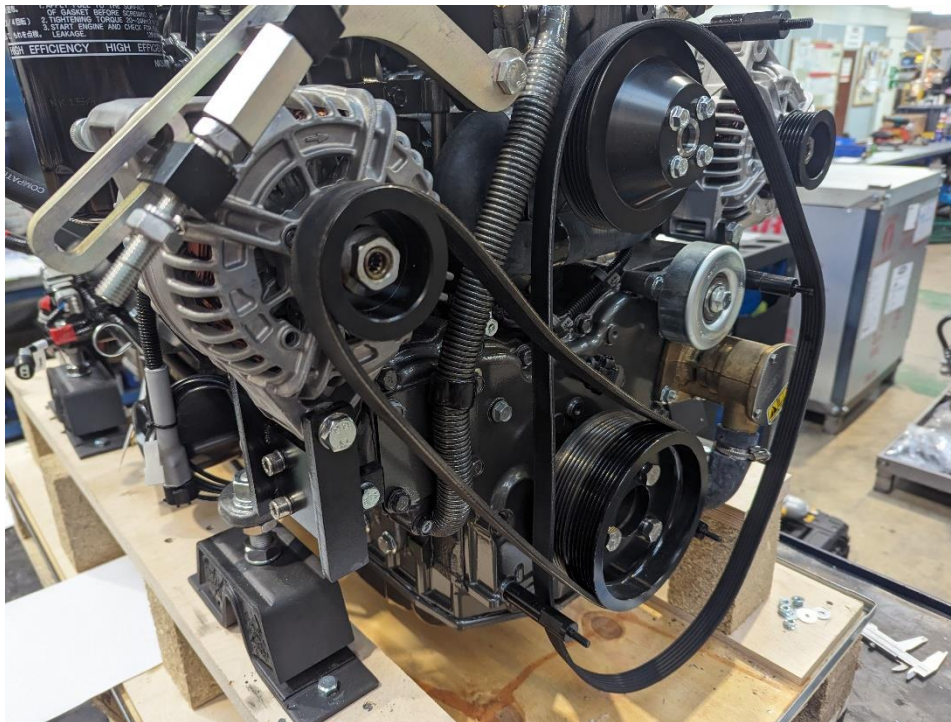
- Construct tensioner assembly using Threaded Adjuster (RDG104A25 x 1), Adjustor block (RDG5755 x 1) & block (RDG5027459 x 1), M10 Nuts (RDG3098 x 2), M10 Spring Washers (RDG1111 x 2) and M10 Nyloc Nut (RDG627 x 1).



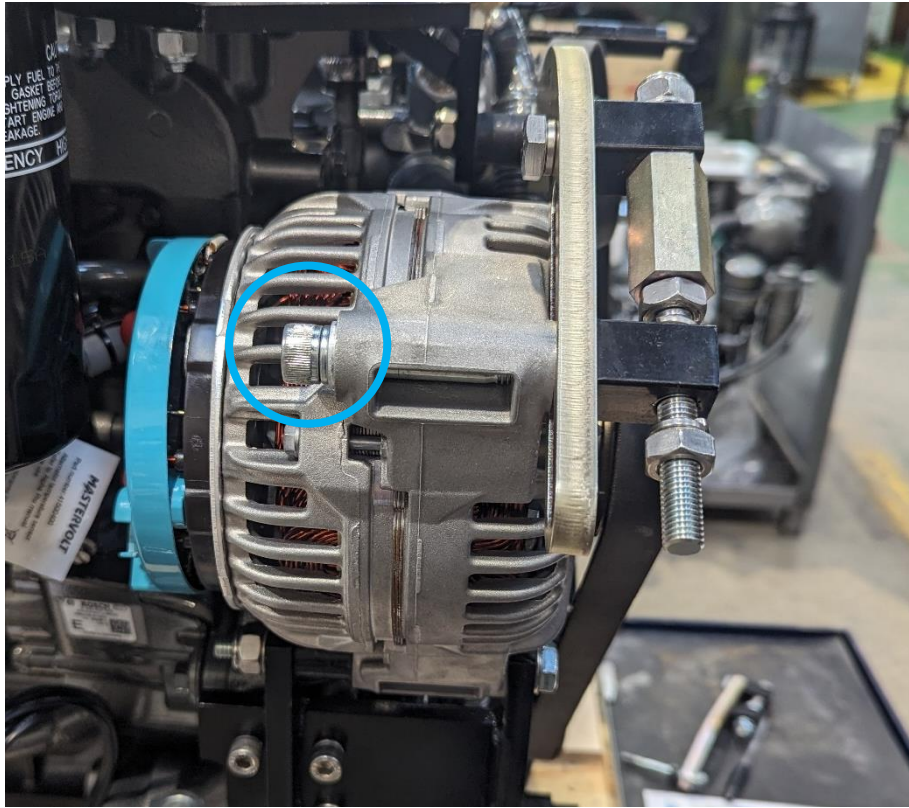
- Fit the tensioner assembly to the alternator using M10 x 20 Hex Head (RDG3105 x 1) and 1 M10 Spring Washer (RDG1111 x 1).



- Fit Pulley PK6 17 x 62 (RDG6916 x 1) to the alternator if not already present using the existing fastener.
- Fit PK61000 belt loosely (RDG2254 x 1).



- Add M10 x 80 (RDG5894 x 1) cap head bolt to tensioner assembly and alternator using a flat (RDG628 x 1) and spring M10 washer (RDG1111 x 1).



- Tension belt to required specification.

